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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/182,435 10/30/98 FUJIOKA

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EXAMINER

020457

WM02/0523

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ART UNIT

PAPER NUMBER

2673

DATE MAILED:

05/23/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.

09/182,435

Applicant(s)

Fujloka et al.

Examiner

David L Lewis

Art Unit

2673



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1) ☒ Responsive to communication(s) filed on Mar 5, 2001

2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

## Disposition of Claims

4) ☒ Claim(s) 1-12 is/are pending in the applica

4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from considera

5) ☒ Claim(s) 9-12 is/are allowed.

6) ☒ Claim(s) 1-8 is/are rejected.

7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirem

## Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.

12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a) ☐ All b) ☐ Some\* c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

15) ☒ Notice of References Cited (PTO-892)

18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_

16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

19) ☐ Notice of Informal Patent Application (PTO-152)

17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_

20) ☐ Other:

**Title: Liquid Crystal Display Device**

## **DETAILED ACTION**

### ***Double Patenting***

1. The Double Patenting rejection of the previous office action filed on 10/4/00 has been withdrawn. Applicants arguments are persuasive.

### ***Allowable Subject Matter***

2. Claims 9-12 allowed.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

4. **Claims 1-8 are rejected under 35 U.S.C. 102(a) as being anticipated by Tsuchi et al. (5,818,406).**

**Title: Liquid Crystal Display Device**

5. **As in claim 1, Tsuchi et al. teaches of** a liquid crystal display device comprising: a liquid crystal display panel, **figure 2**; and for supplying a picture signal line driving circuit for supplying a picture signal voltage to the liquid crystal display panel, **figure 2 item 5**; said picture signal line driving circuit having a switching circuit in which a first transistor, to whose gate electrode a control voltage is applied and a second transistor to whose gate electrode a bias voltage is applied are connected in series, **figure 9**. As in **claims 2, 3, and 4**, Tsuchi et al. also teaches of said features, column 8 lines 23-35, wherein said features are illustrated in figures 9 and 10.
6. **As in claim 5, Tsuchi et al. teaches of** a liquid crystal display device, comprising a liquid crystal display panel and a picture signal line driving circuit for supplying a picture signal voltage to the liquid crystal display panel, **column 4 lines 40-67**; said picture signal line driving circuit further including: a first output terminal, a second input terminal, and a common output terminal, a first switching element connected between the first input terminal and the common output terminal, and a second switching element connected between the second input terminal and the common output terminal, the first and second switching elements including a transistor at a input port, to whose gate electrode a control voltage is applied connected in series with a transistor at a output port, to whose gate electrode a bias voltage is applied, column 8 lines 23-35, figure 5, 9, and 10 . As in **claims 6-8**,

**Title: Liquid Crystal Display Device**

Tsuchi et al. teaches of said features, figure 5, column 7 lines 3-35, wherein said features are illustrated in figures 9 and 10, column 8 lines 23-35.

***Response to Arguments***

7. Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection. See the above Non-final rejection in view of Tsuchi et al. (5818406). Claims 9-12 are allowable over the prior art of record.

***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **David L. Lewis** whose telephone number is **(703) 306-3026**. The examiner can normally be reached on MT and THF from 8 to 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala, can be reached on (703) 305-4938. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Serial Number: 09/182,435

Art Unit: 2673

Applicant: Fujioka et al.

**Title: Liquid Crystal Display Device**

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**Or faxed to:**

(703) 308-9051, (for formal communications intended for entry)

**Or:**

(703) 308-6606 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

**Or hand-delivered to:**

Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).



**BIPIN SHALWALA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600**

Examiner: David L. Lewis

May 21, 2001